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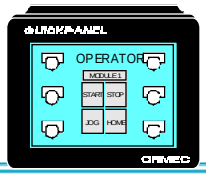
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ORMEC
QuickPanel™ Touchscreens

ORMEC's QuickPanel™ flatpanel touchscreens provide a variety of size and functional models for the human-machine interface. QuickPanel™ units are available in the five and nine inch screen sizes. Monochrome, color and electroluminescent displays are available.

The QuickPanel™ touchscreen is designed to provide the operator an effective way to control machine operation. The operator can easily be alerted to machine alarms and status conditions. Different panels can be quickly selected to present different sets of machine functions typically found for setup, maintenance, changing product runs and fault conditions.

Direct communication using one serial cable simplifies installation and lowers cost. Operator control functionality can be built into the QuickPanel™ representing a typical factory operator panel without the bulky hardware, I/O modules and wiring needed to construct it.

Each individual panel can be designed and built in minutes using pre-programmed "drag and drop" graphical control function objects in a Windows environment. After installation, QuickPanel™ flexibility allows the designer to add control functions without adding additional switches, legend plates, I/O modules and associated wiring.

When upgrading a machine, the "look and feel" of an existing panel can be kept to reduce operator re-training.

Control Function Objects

- ❒ Push Buttons
- ❒ Pilot Lights
- ❒ Selector Switches
- ❒ Illuminated Push Buttons
- ❒ Numeric Data Word Entry
- ❒ Numeric Data Word Display
- ❒ Local Message Displays
- ❒ Analog Bar Graphs
- ❒ Bit and Word Alarm Monitors
- ❒ Bit and Word Alarm Displays
- ❒ Bit Mapped Graphic Display
- ❒ Time Display
- ❒ Event Logging with Time and Date



ORMEC's QuickPanel™ touchscreen units provide a fully graphical, easy to use human-machine interfaces.

Operation

Communications with an ORION™ controller use the MotionBASIC® Extension (MBX) for QuickPanel™ communications to transfer bit and word register data as well as I/O. Control objects can be conveniently tagged to input and output registers as bit or word data. The MBX maps QuickPanel™ registers to ORMEC input and output variables. Touching the screen object sets the state of the variable. How the change of state is used in the MotionBASIC® program defines the control function.

Mounting & Sealing

QuickPanel™ features front panel mounting and a gasket to maintain NEMA 12/4X rating. Units with NEMA 12 and 4X ratings are available, and each includes four mounting clamps. Only one cutout in the panel is required for a NEMA 12 installation.

ORDERING GUIDE

QuickPanel™ Touchscreens

MMI-QP/5M	Industrial Terminal, LCD monochrome, 5.0 in diagonal, 320 x 240 pixels
MMI-QP/5C	Industrial Terminal, Dual Scan color, 5.0 in diagonal, 320 x 240 pixels
MMI-QP/9E	Industrial Terminal, EL monochrome, 9.0 in diagonal, 640 x 400 pixels
MMI-QP/9C	Industrial Terminal, Dual Scan color, 9.5 in diagonal, 640 x 480 pixels
MMI-QP/9T	Industrial Terminal, TFT color, 9.5 in diagonal, 640 x 480 pixels

Note: NEMA 4X rating can be provided with optional stainless steel bezel and protective membrane. Add "4X" to model number to select this option.

Cable Assemblies

CBL-MOD8/x	Cable, 8-pin modular to 8-pin modular, x ft
CON-QPMOD8	Connector, 25 pin D-sub to MOD8 QuickPanel™ Communication
CON-MOD8-Y	Connector, MOD8 female bus expansion (1 in - 2 out)
CBL-QPPWR/x	Power Cable, 24 VDC, for MMI-QP/5M and MMI-QP/5C, x ft
CBL-QP-AT/10	QuickPanel™ executive program download cable, 10 ft

MotionBASIC® Extension

MBX-QP/x.xx	*MotionBASIC® Extension, QuickPanel™ Communications (version x.xx)*

Panel Development Kit

MDK-QDK	QuickDesigner™ panel development software integrates with MotionDesk™ (includes CBL-QP-AT)

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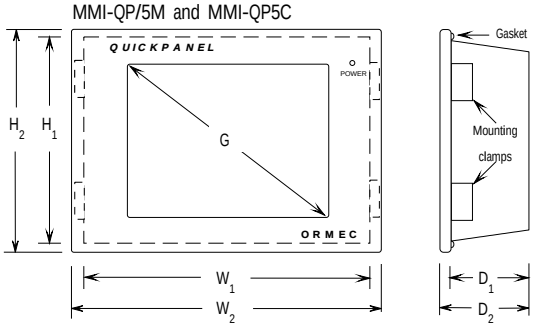
QuickPanel™ Touchscreen Specification Chart

Specifications	5” Mono	5” Color	9” EL	9” Color	9” Color TFT
Operating Voltage	24 VDC	24 VDC	85 - 135 VAC	85-135 VAC / 170-265 VAC, 50/60Hz	85-135 VAC / 170-265 VAC, 50/60 Hz
Power Requirement	500 ma	625 ma	50 VA Max	100 VA Max	100 VA Max
Pixel Resolution	320 W x 240 H	320 W x 240 H	640 W x 400 H	640 W x 480 H	640 W x 480 H
Display Type	Monochrome LCD	Dual Scan LCD	Electroluminescent	Dual Scan LCD	Active TFT[1] LCD
Colors	White / Gray + Flash	8 Solid + 8 Flash	Amber + Flash	8 Solid + 8 Flash	8 Solid + 8 Flash
Viewing Area	4.00” W x 3.00” H	4.00” W x 3.00” H	7.63” W x 4.88” H	7.50” W x 5.63” H	7.50” W x 5.63” H
Touch Resolution	15 W x 11 H	15 W x 11 H	32 W x 20 H	32 W x 24 H	32 W x 24 H
Touch Finish	Matte	Clear	Clear	Clear	Clear
Weight	1.2 lbs 0.55 kg	1.2 lbs 0.55 kg	5.5 lbs 2.5 kg	11 lbs 5.0 kg	11 lbs 5.0 kg
Installation	Front Mount	Front Mount	Front Mount	Front Mount	Front Mount
Operating Temperature Storage Temperature	0 to 45C -10 to 60C	0 to 45C -10 to 60C	0 to 50C -10 to 60C	0 to 45C -10 to 60C	0 to 45C -10 to 60C
Operating Humidity non-condensing	20 to 85% RH	20 to 85% RH	20 to 85% RH	30 to 85% RH	30 to 85% RH
Storage Humidity non-condensing	5 to 85% RH	5 to 85% RH	5 to 85% RH	5 to 85% RH	5 to 85% RH

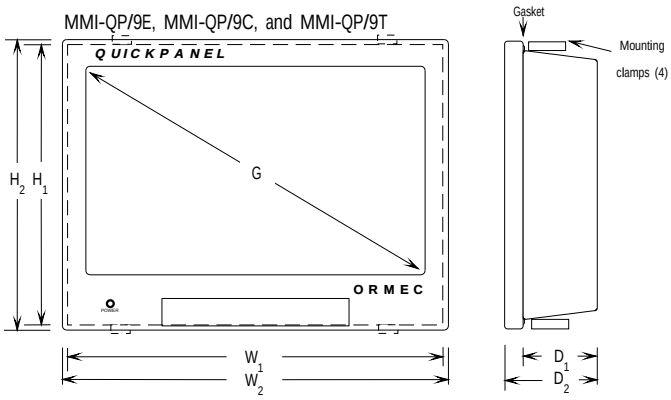
[1] - TFT (Thin Film Transistor)

QuickPanel™ Touchscreen Mounting Dimensions

MMI-QP/5M and MMI-QP5C



MMI-QP/9E, MMI-QP/9C, and MMI-QP/9T



		Mounting Cutout Dimensions			Overall Dimensions		
Model No.	**G**	**H_1**	**W_1**	**D_1**	**H_2**	**W_2**	**D_2**
MMI-QP/5M	5” 128 mm	4.45” 113 mm	6.20” 158 mm	2.5” 64 mm	4.8” 120 mm	6.5” 165 mm	2.7” 70 mm
MMI-QP/5C	5” 128 mm	4.45” 113 mm	6.20” 158 mm	2.5” 64 mm	4.8” 120 mm	6.5” 165 mm	2.7” 70 mm
MMI-QP/9E	9” 230 mm	7.91” 200 mm	10.20” 258 mm	3.6” 213 mm	8.4” 213 mm	10.7” 271 mm	3.9” 100 mm
MMI-QP/9C	9.5” 240 mm	8.97” 228 mm	11.88” 302 mm	4.5” 115 mm	9.3” 235 mm	12.3” 309 mm	4.6” 117 mm
MMI-QP/9T	9.5” 240 mm	8.97” 228 mm	11.88” 302 mm	4.5” 115 mm	9.8” 238 mm	12.8” 312 mm	4.6” 117 mm

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